

CLAIMS

1. A signal transducer specifically expressed in mouse mast cells, which is a purified protein having the amino acid sequence of SEQ ID No.

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2. A signal transducer specifically expressed in human mast cells, which is a purified protein having the amino acid sequence of SEQ ID No.

4.

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3. A polynucleotide consisting of the base sequence of SEQ ID No. 1, which encodes the protein of claim 1.

4. A polynucleotide having the base sequence of SEQ ID No. 3, which encodes the protein of claim 2.

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5. An expression vector involving the polynucleotide of claim 3.

6. An expression vector involving the polynucleotide of claim 4.

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7. A cell transformed with the expression vector of claim 5, which produces the protein of claim 1.

8. A cell transformed with the expression vector of claim 6, which produces the protein of claim 2.

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9. An antibody against the protein of claim 1.

10. An antibody against the protein of claim 2.

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Sub-A1

add A2